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E72-10161
CR-128312

7132.1-04

5 October 1972

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Goddard Space Flight Center
Greenbelt, Maryland, 20771

Attention: Mr. Edward W. Crump, Code 430

Subject: Monthly Progress Report for Period Ending 1 October 1972

Contract: ERTS Image Data Compression Technique Evaluation

Principal Investigator: Dr. Donald J. Spencer, GSFC ID PR512

During the month of September a large quantity of photographic imagery was received, filed, and mapped. The object classification task has been initiated in order to ascertain which data products will be required for processing under the contract. The initial MSS digital tape has been ordered to permit the actual validation of the TRW Data Compression computer program. The MSS simulation tape has been used to insure format compatibility with the computer program but the simulation tape data is of limited usefulness for the determination of the performance of the program with actual ERTS data.

The object classification task will continue during October as the photographs arrive and more MSS tapes will be ordered. Upon arrival of the initial MSS tape, program validation will begin and performance parameters will be determined to enable completion of the Data Analysis Plan.

Assuming arrival of the initial digital tape during the second week of October, the Data Analysis Plan will be due the second week of January 1973. Following approval of this plan, the analysis of ERTS data will continue for a period of four months with the final report due thirty days after this four-month period. Delays in delivery of the data products by NASA necessitate an extension of the contract expiration date beyond 3/7/73.

Donald J. Spencer

(E72-10161) ERTS IMAGE DATA COMPRESSION
TECHNIQUE EVALUATION Monthly Progress
Report, period ending 1 Oct. 1972 D.J.
Spencer (TRW Systems Group) 5 Oct. 1972
1 p CSCL 09B G3/13 00161 Unclas